

MARICOPA COUNTY INFLUENZA SEASON SUMMARY

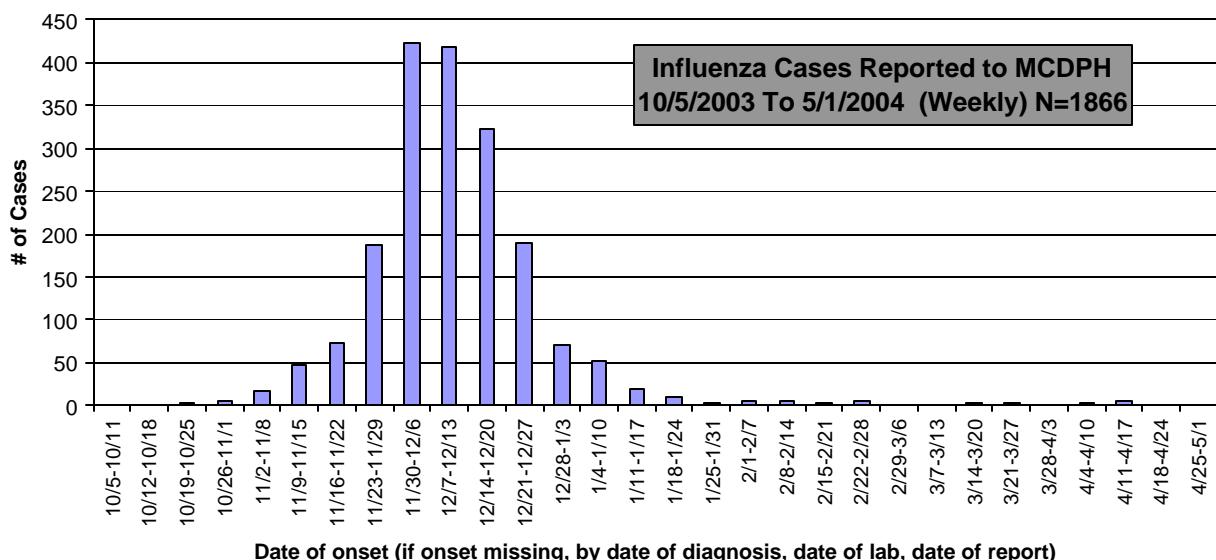
September 28, 2003 (Week 40) – April 3, 2004 (Week 13)

Synopsis: During the 2003-2004 influenza season (September 28, 2003 – April 3, 2004), 1866 laboratory-tested specimens were positive for influenza. The proportion of patient visits to Cigna Health Care Centers for influenza-like-illness (ILI) averaged 0.29% for the season, peaking at 0.95% during Week 49. The average proportion of patient visits to ASU Student Health and Wellness Center for ILI was 1.43%, peaking at 6.61% (Week 50). The average overall weekly percentage of ED visits for ILI was 1.31%, peaking at 5.38% during Week 50. For schools, the average percentages of students absent due to ILI and illness also each peaked during Week 50. Most likely due to extensive vaccine coverage, long-term care center surveillance for the season indicated insignificant influenza activity*.

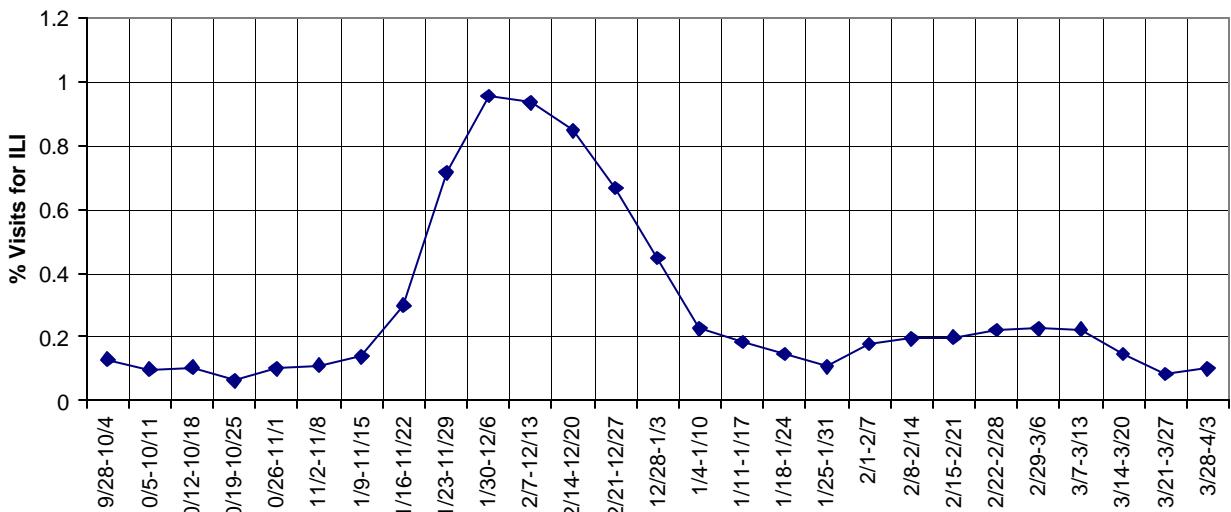
Laboratory Surveillance: During the season, a total of 1866 specimens tested positive for influenza. 1582 unsubtyped influenza type A viruses, 96 influenza type A (H3N2) viruses, 5 influenza type B viruses, and 183 untyped influenza viruses were identified at hospitals, clinics, and laboratories throughout the county. The onset of the county's first identified influenza case of the season was 10/11/03 (Week 41), while the onset of the county's last identified influenza case of the season was 4/26/03 (Week 17). In terms of laboratory-confirmed cases reported, the season peaked in Week 49 (423 cases reported).

Pneumonia and Influenza (P&I) Mortality Surveillance: The percentage of all deaths due to influenza and pneumonia, as reported by the Maricopa County vital statistics office, never exceeded the rolling county threshold for two consecutive weeks during the season. Therefore, epidemic conditions were at no point in time indicated.

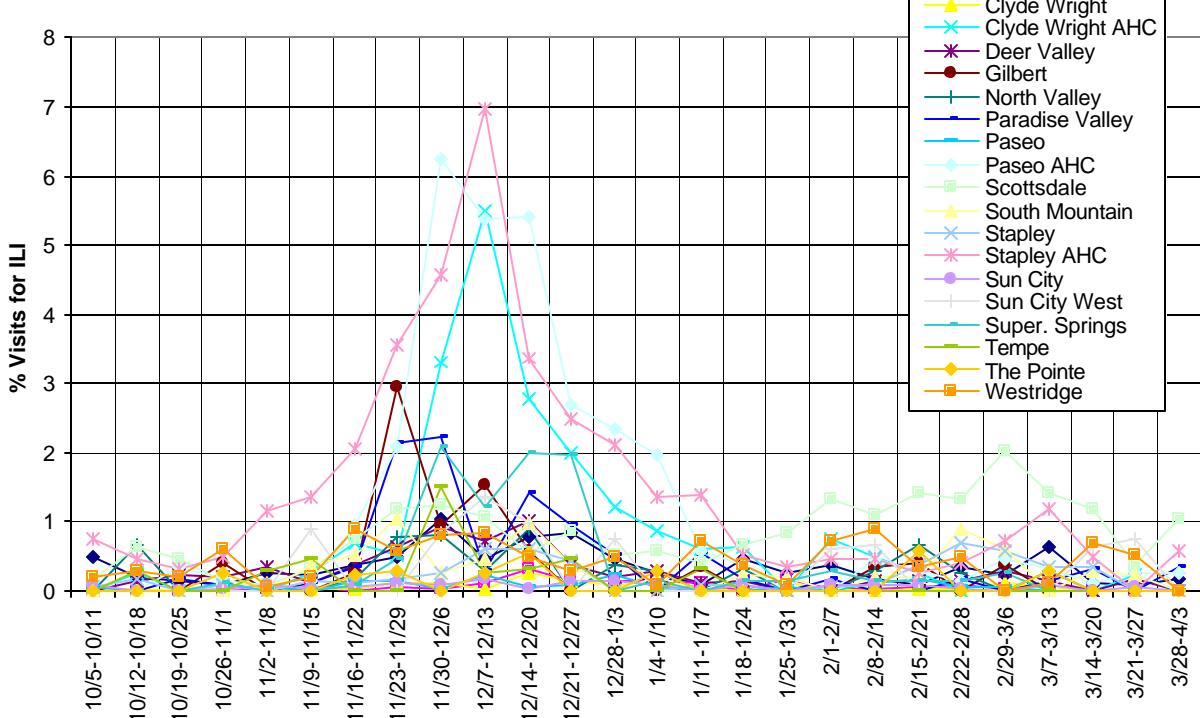
Note: Due to differences in case definitions as well as wide variability between national and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report**.



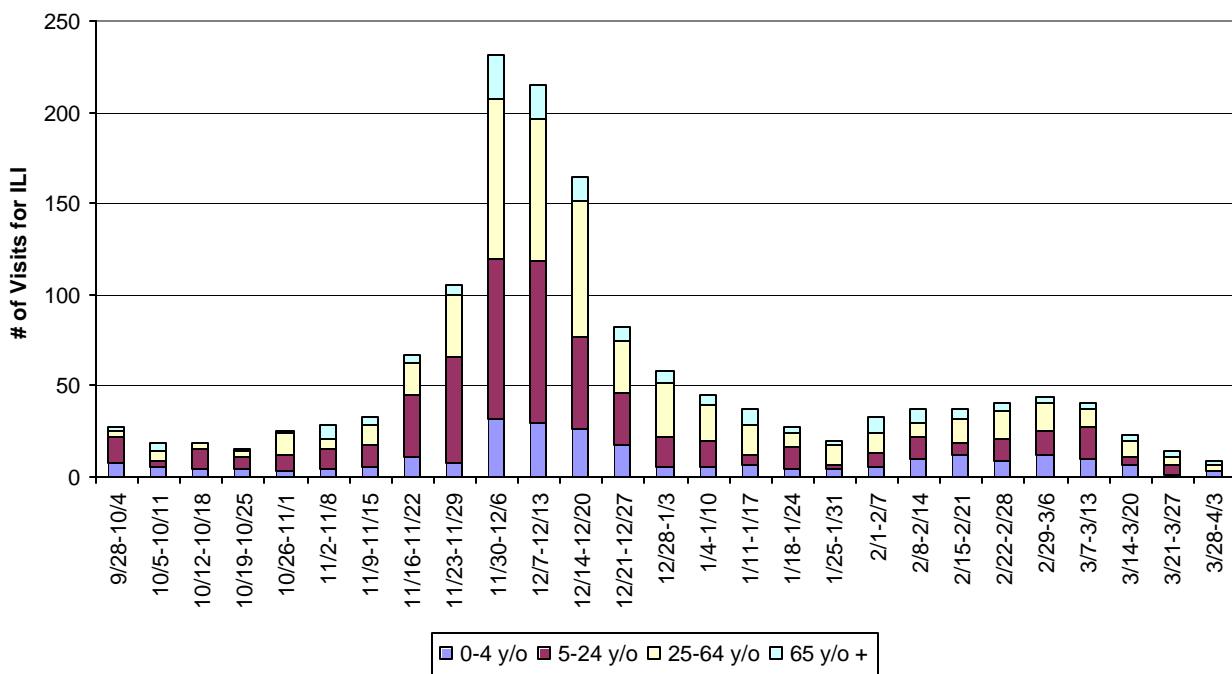
Overall Percentage of Visits for Influenza-like Illness at Cigna Facilities, Maricopa County Summary 2003-2004



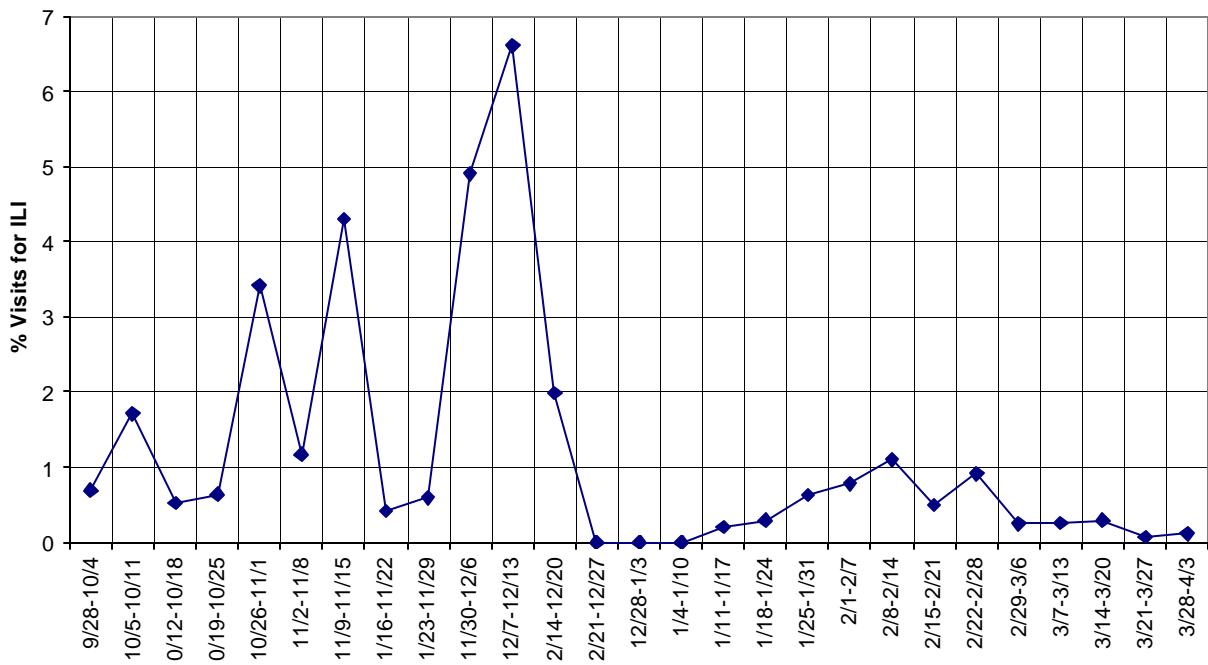
Percentage of Visits for Influenza-like Illness at Cigna Facilities, Maricopa County Summary 2003-2004



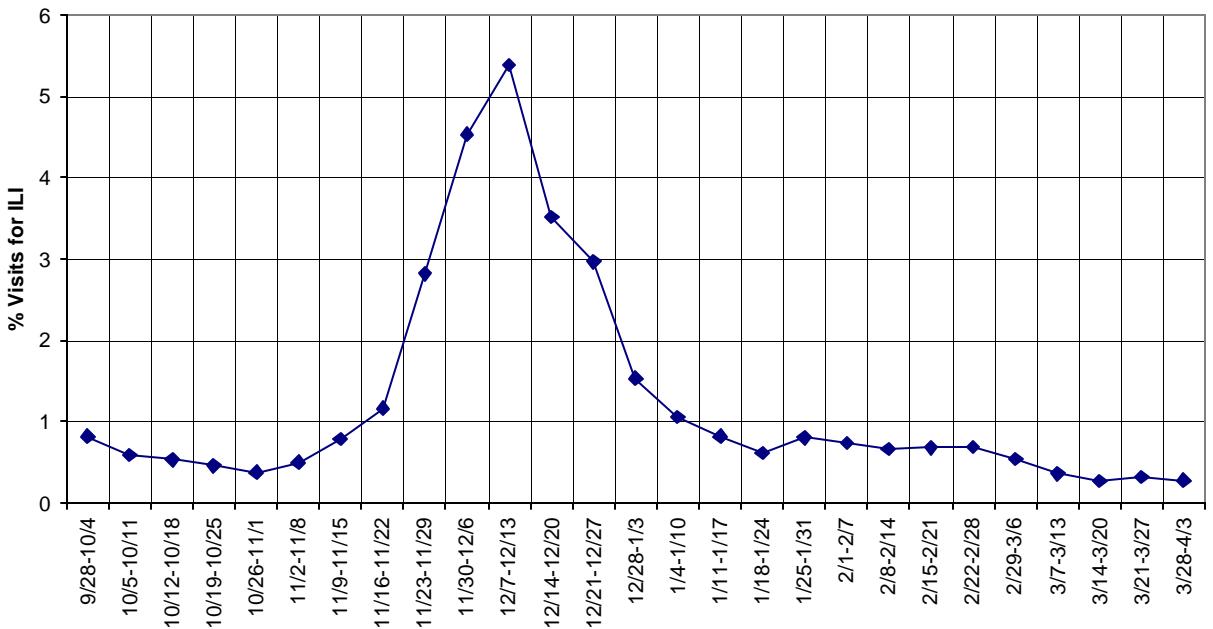
**Number of Visits to Cigna Facilities for Influenza-Like Illness,
Maricopa County Summary 2003-04 (by age group)**



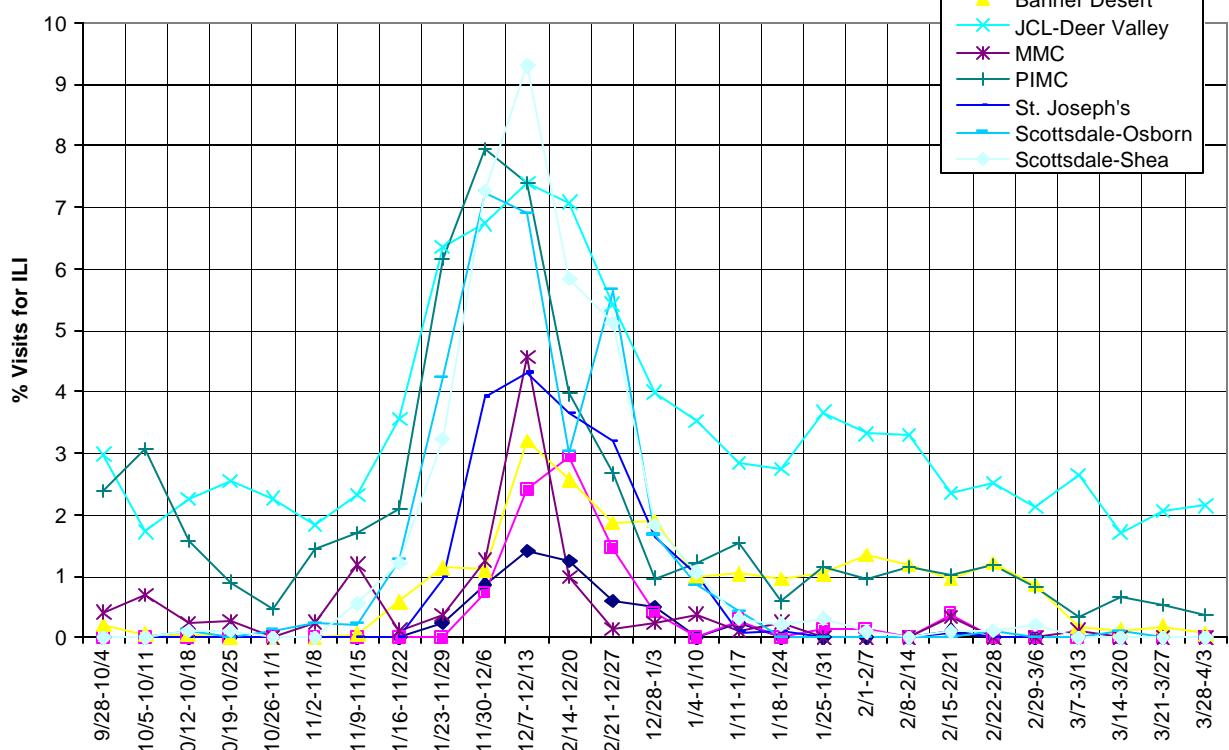
**Overall Percentage of Visits for Influenza-like Illness at ASU Student Health,
Maricopa County Summary 2003-04**



**Overall Percentage of Visits to ED for Influenza-like Illness,
Maricopa County Summary 2003-2004**

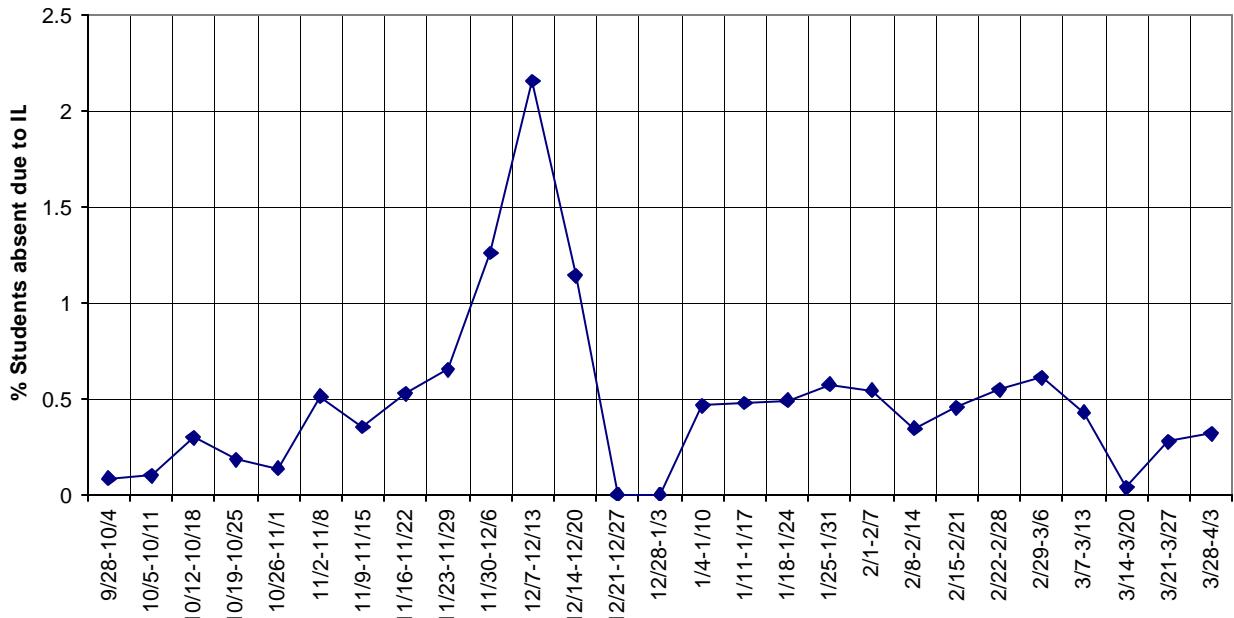


**Percentage of ED Visits for Influenza-like Illness,
Maricopa County Summary 2003-2004**

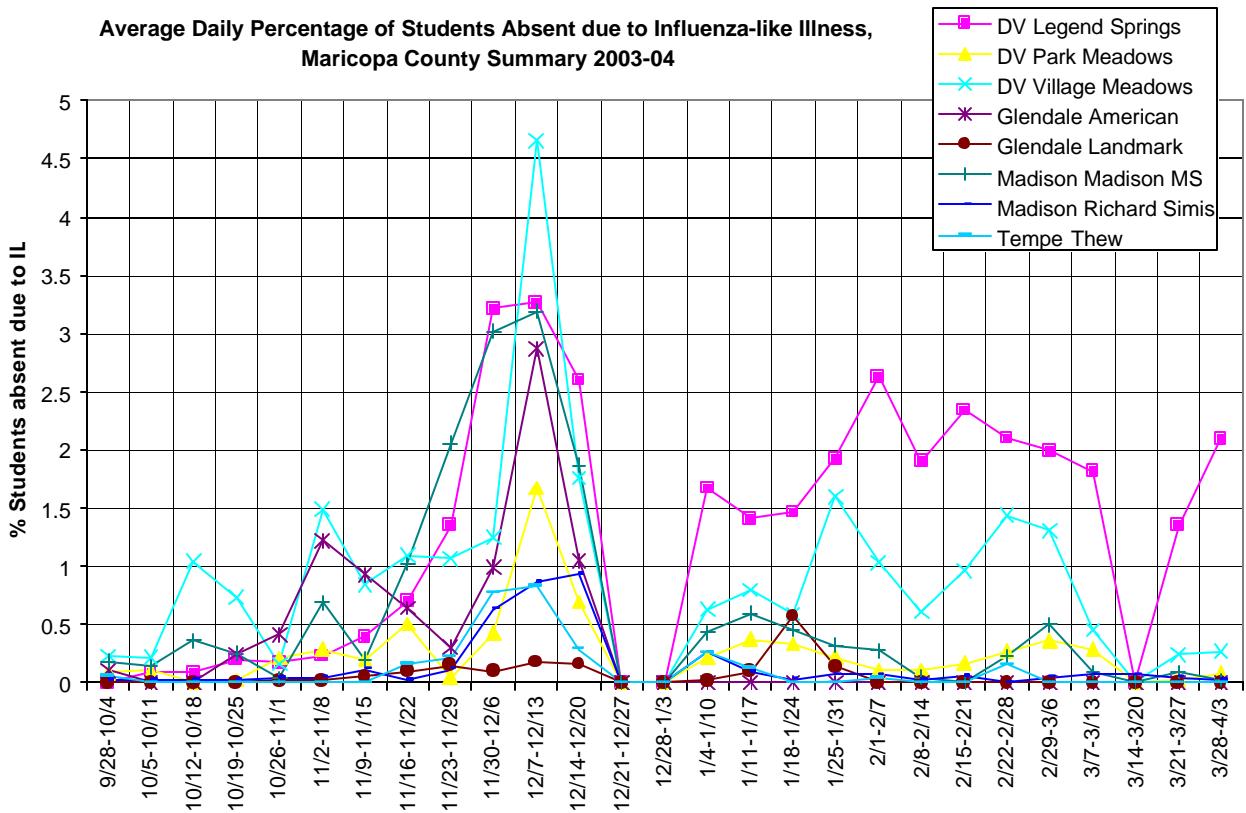


Most schools were on spring break during weeks 11 and 12; data is incomplete.

**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2003-04**

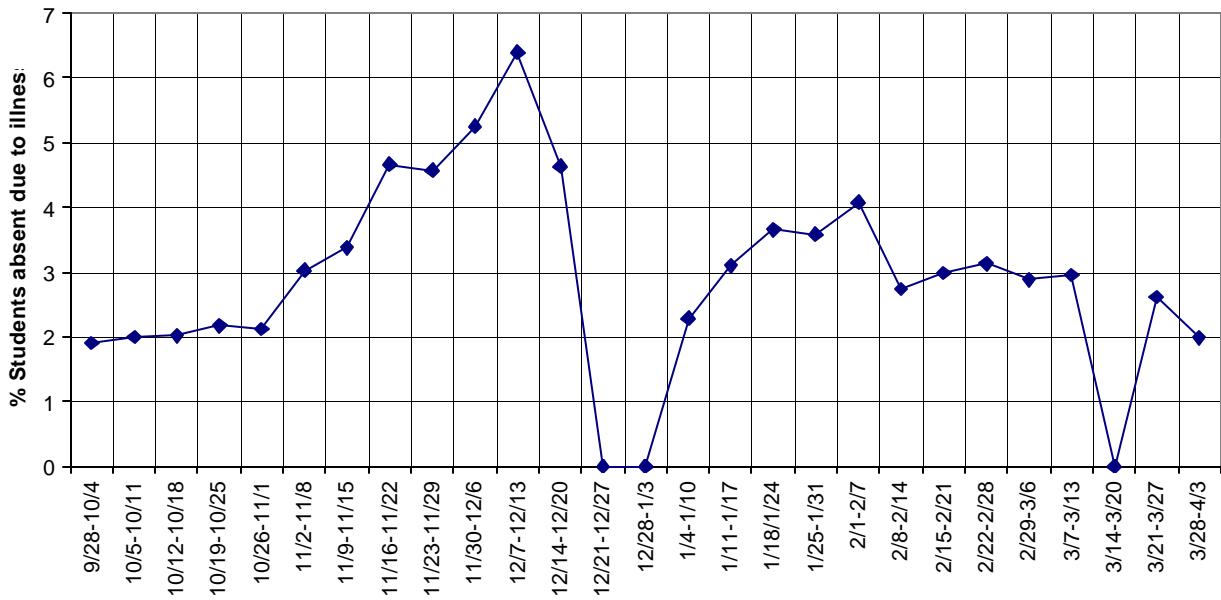


**Average Daily Percentage of Students Absent due to Influenza-like Illness,
Maricopa County Summary 2003-04**

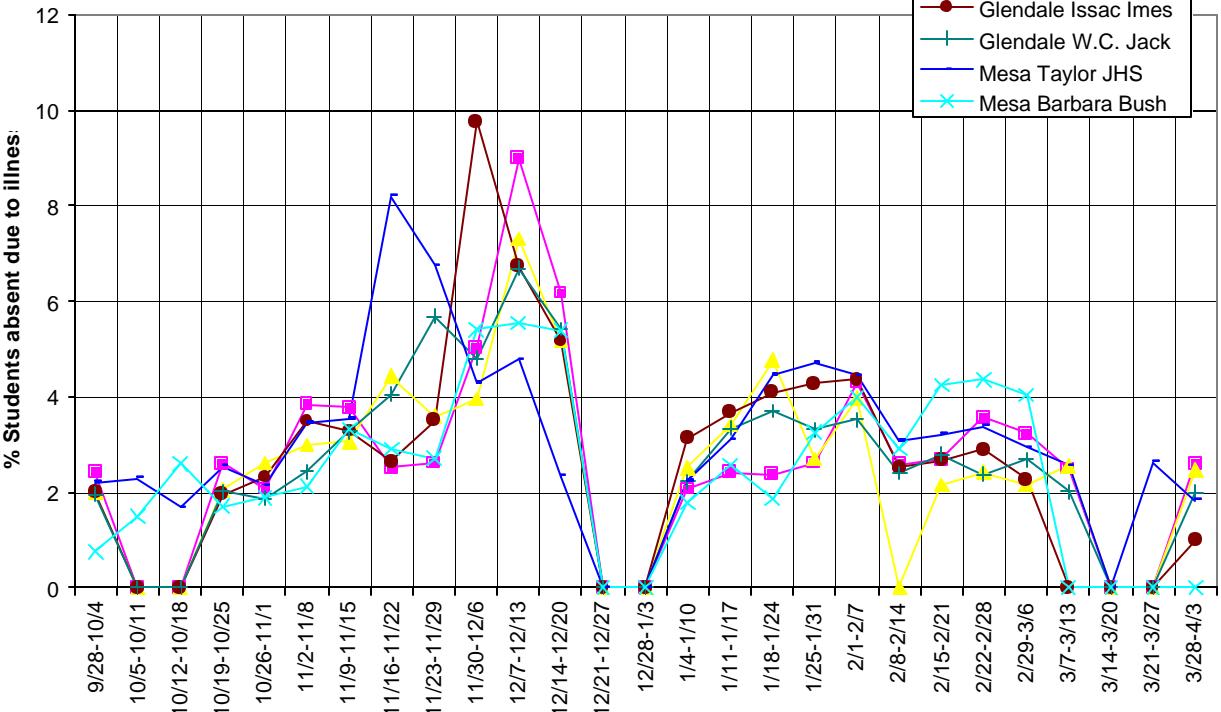


Note: All schools were on winter break from 12/21 – 1/3.

**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2003-04**



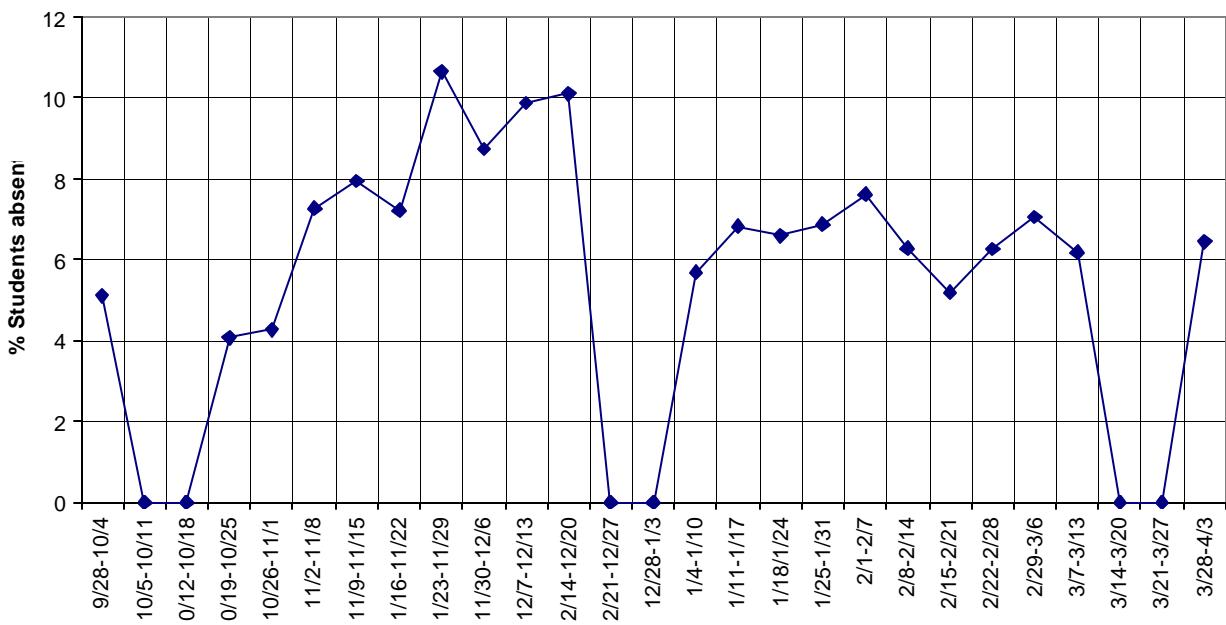
**Average Daily Percentage of Students Absent due to Illness,
Maricopa County Summary 2003-04**



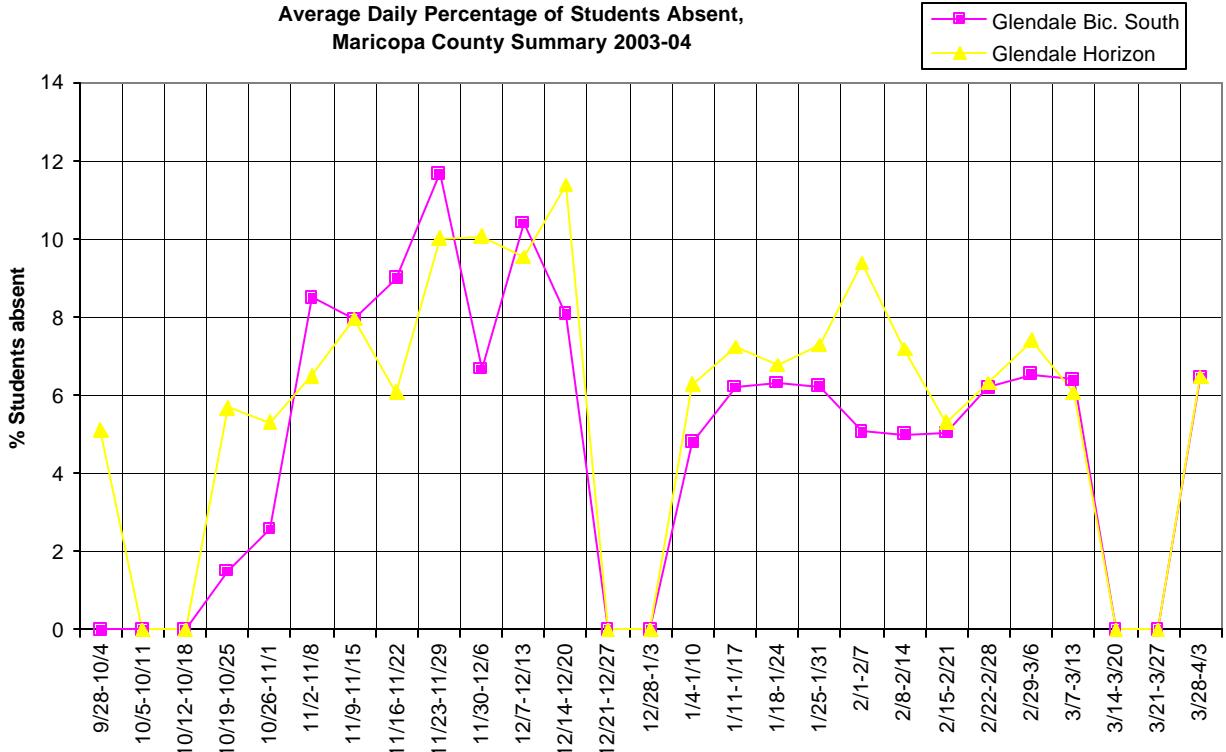
Note: Glendale schools were on fall break from 10/5/2003 – 10/18/2003.

All schools were on winter break from 12/21 – 1/3.

**Average Daily Percentage of Students Absent,
Maricopa County Summary 2003-04**



**Average Daily Percentage of Students Absent,
Maricopa County Summary 2003-04**



Note: The only schools reporting total absences are Glendale Bicentennial South and Glendale Horizon. These schools were on fall break from 10/5/2003 – 10/18/2003, winter break from 12/21 – 1/3, and spring break from 3/14 – 3/27.

* Influenza activity is defined as influenza-like illness and/or culture-confirmed influenza.

** Case definitions

For Cigna Health Care Centers and ASU Student Health and Wellness Center:

Fever plus either cough or sore throat

For Hospital ER's, Long-term Care Centers, and Schools:

Fever of 102 degrees or higher, plus two of the following symptoms:

Headache, chills, myalgia, cough, coryza, sore throat

Surveillance Sources: **Hospital Emergency Departments** (Boswell Memorial Hospital, Del Webb Memorial Hospital, Banner Desert Medical Center, John C. Lincoln Hospital Deer Valley, John C. Lincoln Hospital North Mountain, Maricopa Medical Center, Phoenix Indian Medical Center, St. Joseph's Hospital, Scottsdale Healthcare Osborn, Scottsdale Healthcare Shea); **Cigna Health Care Centers** (Chandler, CJ Harris, Clyde Wright, Clyde Wright AHC, Deer Valley, Gilbert, North Valley, Paradise Valley, Paseo, Paseo AHC, Scottsdale, South Mountain, Stapley, Stapley AHC, Sun City, Sun City West, Superstition Springs, Tempe, The Pointe, Westridge); **Long-term Care Centers**: (Arbor Rose Assisted Living, Christian Care Nursing Center, Cook Healthcare, Life Care Center of Paradise Valley, Sun Health Care Center, Westminster Village); **Schools**: (Deer Valley Legend Springs, Deer Valley Park Meadows, Deer Valley Village Meadows, Glendale American, Glendale Bicentennial South, Glendale Burton, Glendale Desert Spirit, Glendale Horizon, Glendale Issac Imes, Glendale Landmark, Glendale W.C. Jack, Madison Middle School, Madison Richard Simis, Mesa Taylor, Mesa Barbara Bush, Tempe Thew); **ASU Student Health and Wellness Center**

Cigna Health Care Centers and ASU Student Health and Wellness Center are participants in CDC's Sentinel Surveillance program.

Report can be found online at: http://www.maricopa.gov/public_health/epi/flu.asp

Report completed: May 14, 2004